

*Ephemeris*  
Pennsylvania, 1745. R

AN *P.P. 2517*  
ALMANACK,

AND  
EPHEMERIS

OF THE  
MOTIONS of the SUN and MOON,

The true Places, and Aspects of the  
PLANETS.

The Rising and Setting of the SUN.  
The Rising, Setting, and Sourthing of the  
MOON.

For the YEAR

1745.



With some Differtations on the Abuses  
of ASTRONOMY.

By JACOB TAYLOR.

*The first Ingredient in Conversation is Truth, the next  
good Sense, the third good Humour, and the fourth Wit.*

*The last was formerly left to Fools and Buffoons; kept in  
all great Families.*

*Henry the Fourth of France, and King James the First  
of England, first gave Repute to that Sort of Wit.*

*Of all Passions, none so soon, and so often turns the Brain  
as Pride.*

Sir William Temple.

PHILADELPHIA:

Printed and Sold by William Bradford at the Sign  
of the Bible in Second-street.

Ingenious READERS,

IN THIS *Ephemeris* you find not only the true Places of the Planets, but also some curious Calculations of visible Conjunctions of the Moon and Stars. Such Computations are laborious, but attended with agreeable Concomitants, simple Truth and Probity; and the Satisfaction of serving those who are pleas'd with such innocent Speculations, beholding the true natural Motions of those other Worlds as they appear to us in this World of ours. They that expect Prognosticks and Prophecies, Signs and Wonders, roaring Sounds and Amusements, will find but little here for their Appetite. If a Man goes to a Potter for Bread, or to the Baker for Pots and Pans, those Artificers are not accountable for his Disappointment. I promise nothing more than true Astronomy with some Observations on the present State of that Science, which has so flourish'd in the last two Centuries, that for one Man in *Europe* that understood Astronomy before *Tycho's* time, we may reasonably suppose there are now a Hundred: Multitudes of good Books are extant on this Subject, the true Physical System of the World has universally obtained; the old rotten Fables are quite exploded and banish'd from the learned World. But still this laudable Science suffers great Prejudice by some busy Writers, who, without Understanding or Distinction, keep on transcribing the old Ptolemaick Figments, polluting the Printing Press, misleading young Students, abusing the World, and disgracing the Art which they would be thought to understand. *John Ferman* falling into this Number *Anno* 1743, after he spoke of the Copernican System, he falls into the old Fable, tells us how far the Planets are above us, very unlike an Astronomer, and egregiously False. My Vindication of the true Astronomy (in my last) cannot be repeated here, but I shall subjoin a few Words to the same Purpose, viz. A man that understands but so much as plain Triangles, and has applied himself three Days to the Study of Astronomy, will perfectly know that the Moon's Distance is more than twice the Space which *J. Ferman's* Authors have stated.

As for the Sun and the Primary Planets, I partly agree with him where he says, *I don't believe any mortal Man living can tell exactly about Things so exceeding far from us.* No, no, nor do I believe that any Man knows to a Mile or a thousand Miles, for that's a Trifle, the Sun's distance is great indeed, well known to be ten Times greater than what *J. J.* has published. In my Almanack last Year I plainly distinguished Things well known from Things less certain, and the true System from the Ptolemaick Fable; not one Word of which does *J. J.* disprove or contradict; but still insists on Authority, saying, that *what he had written was according to Authors*, he took it from Authors. I fully believe him, such Authors are plenty, they swarm like Summer Flies. Now the whole Occasion of my falling the second time on this Subject is *J. J.* himself, it is the Effect of his Catholican, the Universal Medicine, the Cure of all Distempers, viz. Ill Will and Self-conceitedness can never afford a Good Word to another.

*Descending now from Things remote and high,  
We leave the Stars let them possess the Sky:  
Yet keep in Action, and imploy the Quill,  
Inform the World and exercise our Skill.  
Survey the Globe and make our Numbers known,  
And tell the Distances from Town to Town.*

From Burlington to Frankford	6 Miles.
From Frankford to Philadelphia	2 miles.
From Philadelphia to Darby	3 miles.
From Darby to Chester	4 miles.
From Chester to New-Castle	7 miles.

A cynical Critick may carp at these Numbers: For ill Will and Self-conceitedness can never afford a good Word to another. But I have no ill Will to *John German*, yet if he or any others tell us the Distance of Venus and Mercury, that the Sun is above them, and Mars above him, such ridiculous Trumpery I abhor: Mars and Venus are sometimes much farther from the Earth than Mercury ever goes, at other Times much nearer than ever Mercury comes.

In this Year will be two Eclipses of the Sun, the first in *March*, in the Night, for the other see *September*.

# JANUARY. XI. Month.

Devouring Time, and Man's revenging Rage  
 Maintain a War, and fight from Age to Age.  
 All Empires, Kingdoms, Monarchy and State  
 Are but the Sport of Time and certain Fate.  
 The Works of Men, their lofty Walls and Tow'rs  
 And awful Temples hungry Time devours.

S. rise | S. set | moon sets | m. south | D | 8

1	3	Circumcition.	7	18	4	42	1	M	3	1	7	A	15	11	57
2	4	☐☿☿ wind	7	17	4	43	2	3	8	8	7	24	59		
3	5	and cloudy.	7	16	4	44	3	4	9	9	2	8	II	30	
4	6		7	15	4	45	5	0	10	0	22	25			
5	7		7	15	4	45	6	6	11	3	6	55			
6	F	Epiphany.	7	14	4	46	Rises.	12	5	21	43				
7	2	Rain or Snow.	7	13	4	47	5	A	32	0	M	5	6	Ω	43
8	3		7	12	4	48	6	53	1	5	21	51			
9	4		7	11	3	49	8	12	2	2	7	W	3		
10	5	Δ☉b	7	10	4	50	9	26	2	55	21	36			
11	6		7	9	4	51	10	38	3	45	6	2	9		
12	7	Hail. or Snow.	7	8	4	52	11	50	4	36	20	15			
13	F	Δ☿☿	7	8	4	52	Morn.	5	25	3	M	58			
14	2	more Snow.	7	7	4	53	1	0	6	16	17	13			
15	3		7	6	4	54	2	9	7	6	0	4	16		
16	4		7	5	4	55	3	15	7	56	13	1			
17	5	Δ☉δ fair	7	4	4	56	4	21	8	48	25	28			
18	6	and windy.	7	3	4	57	5	18	9	39	7	W	49		
19	7		7	2	4	58	6	6	10	29	20	0			
20	F		7	1	4	59	6	48	11	18	2	W	5		
21	2	☐☉☿	7	0	5	0	Sets	12	A	4	14	7			
22	3	☉☉☿ ☐☿☿	6	58	5	2	6	A	10	12	48	26	2		
23	4	Wind & Cloudy.	6	57	5	3	7	12	1	31	7	W	56		
24	5	Δ☉☿	6	56	5	4	8	11	2	12	19	48			
25	6	Conver. St. Paul.	6	55	5	5	9	11	2	54	1	Y	37		
26	7		6	54	5	6	10	12	3	35	13	40			
27	F		6	52	5	8	11	16	4	19	25	46			
28	2		6	51	5	9	12	16	5	4	8	5	3		
29	3	☉h☿	6	50	5	10	0	M	16	5	51	10	39		
30	4		6	49	5	11	1	27	6	44	3	II	35		
31	5		6	48	5	12	2	33	7	40	17	11			



# January 1745.

☉	☿	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Sets
1 22	43	2	19	10	53	5	47	27	59	10	13	7	38
6 27	49	2	17	11	32	7	7	4	5	16	24	7	48
11 2	54	2	11	12	4	8	18	10	10	20	R	9	58
16 7	59	2	4	12		9	14	16	10	19	23	8	6
21 13	3	1	52	12	58	9	56	22	9	14	35	8	15
26 18	7	1	41	13	20	10	19	28	4	8	27	8	26

day lo. min.

Full Moon 6 10 27 Afternoon.

New Moon 21 9 42 Morning.

The second Day of January last, I first saw the Comet which had been seen at the latter End of December preceeding; it was then (in January) near a Right Line between the last Star in the Wing of Pegasus, and the bright Star in Andromeda's head; and nigh an equal Distance from either of those Stars.

His Longitude in eight Degrees of Aries with Latitude nineteen Degrees North; it had then a very small Tail, its motion Retrograde and very slow. The sixth Day of February the Comet passed by the first Star of the Wing of Pegasus, very swift in its retrograde Motion, having then acquir'd a long Tail, as I remember about twenty Degrees. I saw the Comet several times after in the Mornings, but used no Means to observe its Place or Motion. What I have here written is in Regard to my Promise to several Persons, asking me very often what I thought of the Comet? I told them I should say something to it, if I lived to write: And as to the Signification, Influence, or Effects of Comets, my Opinion is this, that I know as much as any Man living: And the very Truth is this, I know nothing at all of the Matter; yet in one Thing, I may a little inform my courteous Readers (not acquainted with Starry-Learning) who on Sight of a Comet, imagine it a Thing newly created, and sent for a Sign, or Warning to the World. I find no Astronomer of that Opinion; they suppose Comets to be from the Beginning, as other Stars and Planets.

# FEBRUARY XII. Month.

With Indignation Men resent the Crime,  
 And make Returns on all devouring Time.  
 In sweet Revenge we find a dear Delight,  
 To murder Time, demolish Day and Night,  
 A thousand Ways, and more than Man can tell,  
 It on the Theme he should forever dwell.  
 Of all Mankind the greater Part by far  
 Are Volunteers in this perpetual War.

		S. rise   S. sets   moon sets   m. fourth   D										☾	
1	6	* ♀ ♀	6	47	5	13	3	M	38	SA	37	0	48
2	7	Puri. V. Mary.	6	46	5	14	4	42	9	37	15	7	
3	F		6	45	5	15	5	38	10	39	29	52	
4	2	wind & rain	6	44	5	16	6	22	11	38	14	Ω	55
5	3	♂ ♂ ♀	6	42	5	18	Rises.		12	35	0	13	
6	4		6	41	5	19	6	A	58	0	M	35	15 28
7	5	fair and moderate	6	40	5	20	8	17	1	30	0	35	
8	6		6	39	5	21	9	30	2	24	15	18	
9	7		6	38	5	22	10	44	3	15	29	39	
10	F		6	36	5	24	11	56	4	8	13	m	31
11	2	fair	6	35	5	25	Morn.		5	0	26	55	
12	3	wind and cold	6	34	5	26	1	9	5	52	9	7	57
13	4	Δ ♂ ♀	6	33	5	27	2	16	6	43	22	35	
14	5	Valentine.	6	31	5	29	3	14	7	34	4	W	56
15	6		6	30	5	30	4	7	8	26	17	5	
16	7		6	28	5	32	4	55	9	16	29	9	
17	F		6	27	5	33	5	19	10	6	11	4	
18	2	□ ♀ ♀	6	26	5	34	5	48	10	49	22	54	
19	3	moderate	6	24	5	36	6	15	11	33	4	X	50
20	4		6	23	5	37	Sets.		12	A	15	16	44
21	5	Δ ⊙ ♀	6	21	5	39	7	A	6	12	54	28	40
22	6	fine and warm	6	20	5	40	8	8	1	37	10	V	41
23	7		6	18	5	42	9	9	2	19	22	54	
24	F	St. Mathias.	6	17	5	43	10	12	3	3	58	3	
25	2		6	16	5	44	11	19	3	51	17	26	
26	3	Shrove Tuesday.	6	14	5	46	12	26	4	40	0	II	5
27	4	Dies Cinerum.	6	13	5	47	0 M		26	5	34	13	3
28	5		6	12	5	48	1	32	6	29	26	13	

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# February, 1745.

☉	☿	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	Sets.
1 24	12	1	22	13	39	10	R. 24	5	16	4	48	8	40	
6 29	15	1	7	13	54	10	14	11	1	5	8	8	49	
11 4	16	0	47	13	59	9	34	16	46	7	46	9	1	
6 9	17	0	26	14	R. 2	8	25	22	30	12	4	9	11	
11 14	17	0	4	13	58	7	31	28	14	17	37	9	22	
6 19	16	29	42	13	52	6	2	38	44	23	32	9	31	

day ho. min.

Full Moon 5 8 39 Morning.

New Moon 20 4 9 Morning.

The Comets move in very eccentric Orbits, and some of them are many hundred Years in making one Revolution. Sir *Isaac Newton* discovered that the prodigious Comet seen in the Years 1680 1681 must take more than 100 Years in the Period of its Returning. But notwithstanding the accurate Observations of *Tycho*, *Kepler*, *Havens*, *Flamsted* and *Cassini*; and the surprising Labours of *Edmond Halley*, and many others, the Astronomy of Comets is yet hardly out of the Cradle. And though Dr. *Gregory* shews that ancient Astronomers and Philosophers believed Comets to be very Excentrical Planets, revolving round the Sun, and that it was the Peripatetic school which brought in the Notion of their being nothing but Meteors, and below the Moon, yet he does not tell us that either ancient or modern Astronomers could ever calculate the Places of Comets, as we do the Places of other Planets.

*Some scoundrel Rakes that walk the Street,  
Abusing ev'ry Man they meet,  
Are still provided with Defence  
If you reprove their Insolence:  
A sudden Charge shall you surprise,  
Of Dust or Sand thrown in your Eyes,  
Or something worse a Man may fear,  
For Decency not named here;  
So if Impostors you detect  
Reproach and Lies you must expect.*

# MARCH, I. Month.

Let Time resound the glorious Conquest made,  
 Let Fire, and Sword, and Thunder lend their Aid ;  
 Let Storms, & Floods, & Earthquakes boast their Pow'r ;  
 What Cities sink, what Numbers they devour ;  
 The Sons of Men as great a Conquest gain,  
 Who during Life have ev'ry Moment slain.

		S. rise   S. set   moon sets   m. south   D												9	
1	6	David Episcop	6	10	5	50	2	M	37	7	A	30	9	5	
2	7	<i>cloudy cold.</i>	6	9	5	51	3		32	8	28	23	5		
3	F	First S. in Lent.	6	8	5	52	4		18	9	26	8	Ω	5	
4	2		6	6	5	54	4		56	10	24	23	2		
5	3	<i>fair and windy</i>	6	5	5	55	5		28	11	20	8	⊗	3	
6	4		6	4	5	56	Rises.			12	13	23	4		
7	5	☿ ♄ ♀	6	2	5	58	7	A	13	0	M	13	8	⊖	4
8	6	☿ ☉ ♄	6	1	5	59	8		29	1	7	23	4		
9	7		6	0	6	0	9		42	2	2	8	⊙	1	
10	F	☿ ☉ ♄	5	58	6	2	10		53	2	55	21			
11	2	☿ ♄ ♀	5	57	6	3	12		10	3	46	5	⊕	4	
12	3	<i>blustering wind.</i>	5	55	6	5	0	M	10	4	44	18			
13	4		5	54	6	6	1		14	5	38	1	⊙	3	
14	5		5	53	6	7	2		7	6	31	13			
15	6	<i>fair weather.</i>	5	51	6	9	2		55	7	22	26			
16	7		5	50	6	10	3		32	8	10	7	⊙		
17	F	* ♀ ♀	5	49	6	11	4		0	8	53	19			
18	2		5	48	6	12	4		25	9	37	1	⊕	4	
19	3	☿ ♄ ♀	5	46	6	14	4		51	10	19	13			
20	4	☿ ♄ ♀ ☿ ♄ ♀	5	45	6	15	5		12	11	1	25			
21	5	☿ ♄ ♀ ☿ ♄ ♀	5	43	6	17	Sets.			11	43	7	⊙		
22	6	<i>cold rain.</i>	5	42	5	18	7	A	10	12	A	25	19		
23	7		5	41	6	19	8		11	1	10	2	⊙		
24	F		5	39	6	21	9		22	1	57	14			
25	2	Annun. V. Mary	5	38	6	22	10		29	2	47	27			
26	3	<i>fine and</i>	5	36	6	24	11		35	3	37	9	⊙		
27	4	<i>moderate.</i>	5	35	6	25	12		38	4	31	22			
28	5		5	34	6	26	0	M	38	5	30	6	⊙		
29	6		5	33	6	27	1		33	6	28	19			
30	7		5	31	6	29	2		23	7	23	3	⊙		
31	F		5	30	6	30	3		5	8	18	17			



# March, 1745.

	☉	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♀	Sets.
1	12	16	29	28	13	43	4	49	7	0	28	8	9	39	
6	27	14	29	5	13	30	3	9	12	23	5	4	9	47	
11	2	11	28	4	13	10	1	12	17	46	3	8	10	0	
16	7	8	28	18	12	52	29	23	22	56	21	38	10	10	
21	12	3	27	55	12	23	27	24	27	53	0	33	10	20	
26	16	5	27	34	11	50	25	41	2	40	10	12	10	26	

	day	ho.	min.	
Full Moon	6	6	0	Afternoon.
New Moon	21	9	47	Afternoon.

The nineteenth Day *Venus* will be on the south Side of the *Pleiades*, about one Degree from them.

I remain of the same Opinion, wherein I appear'd in my last *Ephemeris*; and I must entirely relinquish Truth and common Sense, if I deviate from what I there said, viz. *W. Ball's* Calculations are so egregiously false, that all honest Professors of Astronomy ought to detect them in their own just Defence. I there gave a true Account, and sundry Instances, how far his shameful Fables were remote from Truth, viz. All the Primary Planets about 30 Degrees false through the whole Year 1742. On sight of his Almanack for this Year, I find it necessary to insist a little further on this ungrateful Theme. *W. B's* Diaries began *January* the first 1742. *Saturn* and *Jupiter* then rose in the Evening, *Mercury* rose in the Morning, *Mars* and *Venus* set in the Evening, and if you please to take their Places out of *W. B's* Almanack, and thence calculate their Rising and Setting, and also take their true Places and do the same, you will find the Difference as follows:

*Saturn* two Hours twenty eight Minutes.

*Jupiter* two Hours twenty five Minutes.

*Mars* two Hours fifteen Minutes.

*Venus* two Hours forty Minutes.

*Mercury* three Hours seven Minutes.

Much after this Rate runs *Ball's* Astronomy, through that Year 1742.

B

Taylor

# APRIL II. Month.

Our gracious Sov'reign *France* would fain Displace,  
And on his Throne advance a spurious Race;  
Then might the *Gallick* Monarch laugh and sing,  
My Grandeur grows, behold the *British* King  
To me fast bound, my Vassal he remains,  
The King and Kingdom now in *Gallick* Chains.

S. Rise S. set moon sets in south														
1	2	☉☉☉	5	29	6	31	3	M	35	9	A	13	2	3
2	3	wind and hail	5	28	6	32	4	4	10	7	17	2	1	
3	4		5	27	6	33	4	31	11	1	2	13	6	
4	5		5	26	6	34	4	56	11	54	17			
5	6	fair warm	5	25	6	35	Rises	12	49	1	m	5	3	
6	7		5	24	6	36	8	A	44	0	M	49	16	
7	F	Palm Sunday	5	23	6	37	9	50	1	43	0	2	20	
8	2		5	22	6	38	11	6	2	37	13	5	3	
9	3	☉☉☉	5	20	6	40	12	8	3	33	27		8	
10	4	windy and	5	19	6	41	0	M	8	4	27	9	3	
11	5	warm	5	18	6	42	0	57	5	21	22	1	7	
12	6		5	17	6	43	1	38	6	10	4	26		
13	7	rain	5	16	6	44	2	10	6	57	16	2	2	
14	F	EASTER.	5	15	6	45	2	36	7	43	28	1	4	
15	2	☉☉☉	5	13	6	47	3	1	8	26	10	3	3	
16	3		5	12	6	48	3	26	9	6	21	5	5	
17	4	rain	5	11	6	49	3	47	9	48	3	5	3	
18	5	☉☉☉☉☉☉☉☉☉	5	10	6	50	4	5	10	30	16	2		
19	6	☉☉☉	5	8	6	52	4	26	11	13	28	2	5	
20	7	fair weather	5	7	6	53	Sets	12	0	10	5	5	9	
21	F	Low Sunday.	5	6	6	54	8	A	25	12	A	49	23	
22	2		5	5	6	55	9	34	1	40	6	4	3	
23	3	St. George.	5	3	6	57	10	39	2	34	20	0		
24	4		5	2	6	58	11	36	3	31	3	2	2	
25	5	St. Mark.	5	1	6	59	12	27	4	29	16	5	3	
26	6		5	0	7	0	0	M	27	5	24	0	3	
27	7	☉☉☉	4	59	7	1	1	7	6	19	14	2	8	
28	F	rain	4	58	7	2	1	39	7	11	28	3	1	
29	2		4	57	7	3	2	8	8	3	12	5	2	
30	3		4	56	7	4	2	36	8	55	27	3		

April, 1745.

☉	☿	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	Rise	
1 22	50 27	8 11	11 24	3 8	5 12	32 10	32	6 27	43 26	47 10	35 22	56 12	20 38	35 10	35
11 28	35 26	30 9	58 22	3 16	19 13	32 10	37	16 7	26 26	13 9	20 21	35 19	48 23	16 10	36
21 12	18 26	2 8	41 21	11 22	53 1	38 10	34	26 17	7 25	58 8	42 1	41 25	23 8	7 10	24

day. ho. min.

Full Moon 5 3 5 Morning.

New Moon 20 0 40 Afternoon.

Richard Saunders on the Sun's Eclipse in April last speaks thus " The Moon's Latitude being 38 min. and 42 sec. South & alone, without the Parallax, greater than the Semidiameter of the Penumbra, 31 min. 39 sec. it cannot be seen in this Part of the World On sight of these Words, I writ the Lines following ;

*A short Discourse, but pleasing in the Sights*

*Of all that in true Numbers take Delights.*

*They have a Right to write who understand*

*The Skill profess, the Theme they have in Hand.*

*All useful Arts in true Professors shine :*

*And just Applause, Poor Richard shall be thine :*

*For equal Justice must return thy due,*

*Thy Words good Sense, thy Numbers pure and true.*

J. J. was in such a hurry to shew his Skill in Astronomy, and his propheticall Judgment in Astrology, that he spoke of this Eclipse in 1743, a Year before Hand, saying it would be a great Eclipse, beginning about an Hour before Sunset, with dreadfull Consequence on Persons of the highest Rank ; but being better inform'd, he bro't it down to a little Eclipse, in his *Almanack* 1744. On this Eclipse *W. B.* writes thus, " *It may be seen if the Horizon be clear.*" What I said of it was short and plain, viz. None at all here, or within a Thousand Miles of us.

The twenty third Day of this Month, there will be a notable Eclipse of *Venus* the Evening Star, beginning 44 Minutes after Eight, at Night and ending 41 min. past 9

# MAY III Month.

Full fifty Years, has Gallia been so kind,  
 A King for England she has still design'd;  
 And tho' her Projects never found Effect,  
 Tho' her good Will Britania does reject;  
 Tho' France could never find that Isle so mad:  
 We give her thanks as much as if she had.

S. rise S sets' moon sets m. south D ☾

1	4	Phil. & Jacobus	4 56 7	4	2	M 59	9 A 43	11	30
2	5	☿ ☽ yesterday	4 55 7	5	3	26	10 35	25	58
3	6		4 54 7	6	3	54	11 30	10 m	22
4	7	very fine	4 53 7	7	Fises.	12	24	24	30
5	F	☿ ☽ weather.	4 52 7	8	SA 48	OM	24	8	22
6	2		4 51 7	9	9 56	1	29	21	53
7	3	hot and wet	4 50 7	10	0 50	2	19	5	2
8	4		4 49 7	11	1 56	3	12	17	49
9	5		4 48 7	12	2 12	4	4	☾	27
10	6		4 48 7	12	OM	12	4	54	12 32
11	7		4 47 7	13	0 40	5	39	24	24
12	F		4 46 7	14	1 9	6	21	6	17
13	2	dry and fair	4 45 7	15	1 30	7	4	18	9
14	3		4 44 7	16	1 50	7	45	29	56
15	4		4 44 7	16	2 9	8	26	11	53
16	5		4 43 7	17	2 28	9	9	24	5
17	6	rain.	4 42 7	18	2 49	9	52	6	34
18	7	☿ ☽	4 42 7	18	3 18	10	40	19	25
19	E	Rouation.	4 41 7	19	3 45	11	29	2	25
20	2	☿ ☽	4 41 7	19	Sets	12 A	24	15	45
21	3	☿ ☽	4 40 7	20	9 A	28	1	22	29 23
22	4	thunder.	4 40 7	20	10 21	2	20	13	☾ 11
23	5	Ascension.	4 39 7	21	11 7	3	17	27	11
24	6	☿ ☽	4 39 7	21	11 39	4	13	11	☿ 13
25	7		4 38 7	22	2 10	5	7	25	23
26	H		4 38 7	22	OM	10	5	58	9 m 26
27	2	moist and	4 38 7	22	0 39	6	45	23	26
28	3	cool.	4 37 7	23	1 1	7	39	7	☾ 41
29	4		4 37 7	23	1 25	8	2	1	41
30	5	☿ ☽	4 36 7	24	1 51	9	19	5	m 41
31	6		4 36 7	24	2 20	10	1	19	8

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May, 1745.

☉	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	Sets		
121	58	25	43	7	27	22	6	27	14	13	30	10	12		
6	26	46	25	35	6	53	22	56	28	15	16	34	9	55	
11	II	34	25	32	6	19	23	58	28R	20	17	49	9	31	
16	6	20	25	D	32	5	51	25	8	27	21	17	15	9	2
21	11	8	25	32	5	22	26	26	25	28	15	8	8	31	
26	15	55	25	35	4	57	28	4	22	53	12	27	7	57	

day. ho. min.

Full Moon 4 0 35 Afternoon:

New Moon 20 1 11 Morning.

About the seventeenth or eighteenth Day, there will be a visible Conjunction of *Saturn* and *Mars*; they are on the Meridian about eight in the Evening, about two Degrees apart in Latitude, *Saturn* above *Mars*, I don't say what Hour (hardly what Day) they will be nearest together: For I do not understand the true Motion of that unlucky Planet *Saturn*. I have sometimes found him near half a Degree from the best Calculation I could make.

The twenty seventh Day, near nine o'Clock at Night, the upper Side of the Moon will appear to touch the Planet *Mars*.

*As Hypocrites have no Design*

*To know their Hearts sincere,*  
*Or Souls affix'd to Things Divine,*

*But all their anxious Care,*  
*Is to be thought religious Men,*

*By ev'ry Man they meet,*  
*When in the Congregation seen,*

*Or walking in the Street;*  
*So Pride inspires deceitful Hearts,*

*In Things of ev'ry Kind,*  
*In human Works, in various Arts,*

*The same Deceit we find.*

*So bold Imposters will pretend*

*To measure out the Skies,*

*Write what they never apprehend,*

*And fill the World with Lies.*

# JUNE IV Month.

True Hearts of *England* open all your Eyes,  
 See there the Danger, here your safety lies  
 Support King **GEORGE**, and still resolve to be  
 In Life, and Fortune, and Religion free :  
*French* Men, 'tis true, are courteous and genteel,  
 But no *French* Laws let *England* ever feel.

[S. rise] [S. sets] [moon sets] [m. south] D 7

1	7		4 36 7 24	2M 57	11A 6	3	10
2	F	Pentecost.	4 36 7 24	Rises.	12	0	16 48
3	2	dry &	4 35 7 25	8A 33	0M 0	0	0 0 0
4	3	temperate.	4 35 7 25	9 23	0	54	13
5	4	☐☉☿	4 35 7 25	10 5	1	48	25 48
6	5	dull, cloudy,	4 35 7 25	10 35	2	38	8 14
7	6		4 35 7 25	11 4	3	27	20
8	7		4 35 7 25	11 26	4	12	2 31
9	F	Trinity Sunday.	4 35 7 25	11 48	4	55	14 1
10	2	bright & fair.	4 35 7 25	12 7	5	35	26
11	3	St. Barnabas.	4 35 7 25	0M 7	6	15	7 5
12	4		4 35 7 25	0 26	6	54	19 4
13	5	vain.	4 35 7 25	0 44	7	38	2 0
14	6	☐☉☿	4 35 7 25	1 10	8	26	14 3
15	7	☿☿☿	4 35 7 25	1 42	9	15	27 2
16	F	rain and thunder.	4 35 7 25	2 15	10	7	10 11 3
17	2	☐☉☿	4 35 7 25	3 1	11	3	24 1
18	3		4 36 7 24	Sets.	12A. 2	8	5
19	4		4 36 7 24	8A 56	1	0	22 2
20	5		4 36 7 24	9 37	2	1	6 5
21	6		4 36 7 24	10 11	2	56	21 2
22	7	vain.	4 37 7 23	10 37	3	48	5 12 5
23	F		4 37 7 23	11 0	4	39	20 1
24	2	St. John Baptist.	4 37 7 23	11 23	5	29	4 3
25	3		4 28 7 22	11 47	6	18	18 3
26	4	☿☿☿	4 28 7 22	12 17	7	8	2 12
27	5		4 29 7 21	0M 17	8	0	15 5
28	6	fair weather.	4 29 7 21	0 51	8	53	29 2
29	7	St. Peter.	4 40 7 20	1 26	9	47	12 4
30	F	☐☿☿	4 40 7 20	2 9	10	40	25 5

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June, 1745.

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121	39	25	43	4	36	0	18	19	9	9	49	4	31	
626	25	25	51	4	20	2	17	16	13	9	30	4	2	
115	11	26	4	4	11	4	25	13	53	9	44	3	33	
65	57	26	19	4	7	6	39	12	24	14	29	3	10	
110	42	26	34	4	D	5	9	1	11	54	19	39	2	50
615	28	26	53	4	9	10	30	12	21	26	38	2	35	

day to min.

Full Moon 2 11 17 Afternoon.

New Moon 18 11 26 Morning.

I come now to make Observations on *W. B.*'s second performance, in 1743, and to give a Reason for my taking this Task in Hand the second Time; tho' I think, whoever has seen his Preface to his Almanack this Year, need not ask the Cause of my Proceeding; but another Reason is this, many Readers don't understand Degrees in Circles, but all Men understand Hours and Minutes. I told you last Year, that *W. B.* often placed the Planets thirty, forty, fifty Degrees false, now you may know, that if we take the Planets Places from his *Almanack*, and thence compute their Rising and Setting, we shall miss the Truth two Hours, three Hours, and sometimes four Hours: If you would find the Setting of *Mars*, the first of *April* that Year 1743, take his Place from *Wall*, and he will mislead you 4 hours 57 Minutes; if you would know the Setting of *Venus* on the first of *May*, follow him, and you will miss three Hours.

The Task I have undertaken, is very unpleasant and disagreeable; but I conceive it necessary and incumbent on me. If *W. B.*'s Calculations are true, or tolerable, mine are the most abominable that ever were extant in the World. But as he has exceeded all Mortals in belying the Sun, Moon and Stars, in their Motions, so now he has surpass'd the Devil in belying me: Where he says, think my self as infallible as if I had stood by God when he made the World.

# JULY, V. Month.

The Beaus and Ladies in the Modes of *France*,  
 May learn to dress, to compliment and dance;  
 May Church and State remain in *England* free,  
 From *Spain* and *France*, and lofty *Rome* from thee.  
 But pray be easy, *England* will have none  
 Of spurious Lineage on the *British* Throne.

		W. rise   S. sets   moon sets   m. scul   D													W
1	2	Δ♂♀		4	41	7	19	3M	5	11A	32	8	45		
2	3		hot and	4	41	7	19	Rises.	12	26	21	30			
3	4		dry, and	4	42	7	18	8A	29.	0M	26	4	2		
4	5		little rain.	4	43	7	17	8	59	1	14	16	21		
5	6			4	43	7	17	9	21	2	0	28	2		
6	7			4	44	7	16	9	44	2	44	10	X	24	
7	F	□♂♀		4	45	7	15	10	2	3	26	22	15		
8	2			4	45	7	15	10	21	4	6	4	V	5	
9	3	*♂♀		4	46	7	14	10	41	4	46	15	56		
10	4		but little	4	47	7	13	11	4	5	27	27	52		
11	5		thunder all	4	48	7	12	11	29	6	9	10	8		
12	6		this summer.	4	49	7	11	12	3	6	58	22	26		
13	7	*♂♀		4	50	7	10	0M	3	7	48	5	11		
14	F	□♂♀		4	50	7	10	0	47	8	42	18	32		
15	2	□♂♀		4	51	7	9	1	36	9	39	2	5		
16	3	□♂♀		4	52	7	8	2	38	10	40	16	21		
17	4			4	53	7	7	Sets	11	41	0	5	51		
18	5			4	54	7	6	SA	4	12A	40	15	42		
19	6		dry	4	55	7	5	8	35	1	34	0	38		
20	7	Δ♂♀		4	56	7	4	9	3	2	29	15	32		
21	F			4	57	7	3	9	26	3	21	0	16		
22	2			4	58	7	2	9	50	4	13	14	52		
23	3			4	58	7	2	10	18	5	4	29	6		
24	4		showers of	4	59	7	1	10	48	5	55	12	m	50	
25	5		rain	5	0	7	0	11	22	6	47	26	20		
26	6	St. James.		5	1	6	59	12	4	7	41	9	2		
27	7	□♂♀		5	2	6	58	0M	4	8	35	22	3		
28	F			5	3	6	57	0	57	9	28	5	2		
29	2			5	4	6	56	1	56	10	21	17	5		
30	3			5	5	6	55	2	58	11	10	0	2		
31	4	*♂♀		5	6	6	54	4	2	1	55	12	3		

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July, 1745.

☉	☿	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	Rise
1 20	15 27	13	4	16 14	7 13	45	5	15	2	24				
6 25	2 27	36	4	25 16	44 15	46	15	0	2	9				
11 29	48 27	59	4	47 19	27 18	28	15	28	1	59				
16 4	35 28	25	5	3 22	14 21	39	5	56	1	49				
21 9	22 28	51	5	32 25	8 25	18	16	12	1	45				
26 14	10 29	21	6	2 28	5 29	15	25	40	1	43				

day ho. min.

Full Moon 2 11 20 Morning.

New Moon 17 8 6 Afternoon.

*W. B.* in his Preface this Year (A Farago of unintelligible Cant, Absurdities, and Lies.) tells you that I villifie him, for only some Oversights, which all Men of the profoundest Sense will readily excuse; and that the mature, and thinking Part of Mankind see that my Scheme is Self-Interest, to be had in Admiration, and other Astronomers to be despised.

*I, poor old Man, no such Ambition have,  
Now standing on the Margin of my Grave;  
Pride I abhor, and gen'rously despise  
All vain Applause, and William's foolish Lies.*

But what Astronomer have I abused? The Man who makes a common Practice to set the Planets direct and swift, when they are in the Middle of their Retrogradation; and to make them retrograde when they are direct, and swift in Motion: The Moon's rising two or three Hours false, very often every Year. Must he be call'd an Astronomer? I will as soon call a Bear a Bishop.

My Scheme is to distinguish true Astronomy, and honest Calculation, from the Works of fallacious Imposters, who abuse the World, and dishonour that laudable Science.

In July last Year *W. B.* makes *Mars* creep along just one Minute in a Day (5 Min in 5 Days) and at the End of the Month but four Minutes in six Days, not half a Degree in the whole Month; at the same Time, that Planet went above twenty Degrees. If Men of the profoundest Sense will readily excuse such Oversights, all the Knaves alive may be Astronomers.

C Taylor.

# August, VI Month.

The Nimble Hare, not captive, if you buy  
Or Larks aloft, when airy Flights they fly;  
Or purchase Fishes gliding in the Stream,  
You may return as Hungry as you came.  
A Lark in Hand will more commodious prove;  
Than Cranes high soaring in the Clouds above.

[S. rise] S. set moon rise m. south | D

1	5	* ♀	5	8	6	52	7	A	27	12	A	40	24	48
2	6		5	9	6	51	7	50	0	M	40	6	X	50
3	7		5	10	6	50	8	10	1	24	18	37		
4	8	Δ ♀	5	11	6	49	8	29	2	6	0	V	48	
5	2		5	13	6	47	8	48	2	48	12	29		
6	3		5	14	6	46	9	9	3	29	24	22		
7	4		5	15	6	45	9	34	4	10	6	8	19	
8	5		5	16	6	44	10	7	4	56	18	28		
9	6	fair Weather.	5	17	6	43	10	39	5	45	0	II	52	
10	7		5	18	6	42	11	24	6	35	13	37		
11	F	♂ ♀	5	20	6	40	12	23	7	30	26	47		
12	2		5	21	6	39	0	M	23	8	29	10	3	25
13	3		5	22	6	38	1	28	9	26	24	31		
14	4		5	24	6	36	2	41	10	24	9	Ω	12	
15	5		5	25	6	35	4	3	11	22	24	1		
16	6	Hot and dry.	5	26	6	34	Sets.	12	A	19	9	m	12	
17	7		5	27	6	33	7	A	32	1	14	24	25	
18	F	♂ ♀	5	28	6	32	7	59	2	7	9	≡	32	
19	2		5	30	6	30	8	31	3	1	24	23		
20	3		5	31	6	29	8	51	3	54	8	m	4	
21	4	* ☉	5	32	6	28	9	29	4	48	22	4		
22	5		5	33	6	27	10	12	5	43	6	7	24	
23	6		5	34	6	26	11	0	6	37	19	38		
24	7	St. Bartholemew.	5	35	6	25	11	55	7	30	2	V	31	
25	F	Hot and Cloudy.	5	36	6	24	12	56	8	23	15			
26	2		5	38	6	22	0	M	56	9	15	27	2	
27	3		5	39	6	21	2	1	10	2	9	m	3	
28	4		5	40	6	20	3	8	10	49	21	4		
29	5	Decol. I. Bapt.	5	41	6	19	4	15	11	32	3	X	4	
30	6	* ♀	5	43	6	17	Rises.	12	13	15	3			
31	7		5	44	6	16	6	A	41	0	M	13	27	

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# August 1745.

	☉	♊	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	Rise
1	19	56	29	57	6	41	1	48	4	30	5	56	1	41	
6	24	45	0	9	7	15	4	50	9	1	14	30	1	41	
11	29	33	1	2	7	56	7	59	13	50	22	3	1	43	
16	4	24	1	55	8	36	11	11	18	48	29	2	1	47	
21	9	14	2	9	9	25	14	30	23	54	5	15	1	51	
26	14	6	2	41	10	10	17	53	29	10	10	52	1	57	

day ho. min.

Full Moon 1 1 38 Morning.

New Moon 16 3 54 Morning.

Full Moon 30 5 18 Afternoon.

Sir William Petty accounted the whole People of *England, Scotland and Ireland*, to be about Nine Millions and a Half. The People of *France* he reckoned about thirteen Millions and a Half: And in the World Three Hundred Millions. That the Navy of *England* required thirty six Thousand Men to Man it; other Trade of Shipping, about forty eight Thousand Men to manage it. In *France* to manage the Shipping, he reckons but fifteen Thousand Men.

By very exact or curious Estimates of the Degrees of Mortality, or rather Vitality of Mankind, it appears that but 64 out of 100, of the children born, are living at six Years old.

But 40 of 100 are alive at 16 Years old.

But 25 out of 100 at 26.

But 16 out of 100 at 36.

But 10 out of 100 at 46.

But 6 out of 100 at 56.

But 3 out of 100 at 66.

But 1 out of 100 at 76.

The *New-Jersey-Almanack* having made the Planet *Mars* to go less than half a Degree in *July* last Year, made him pay for it in *August*; driving him above thirty nine Degrees in thirty one Days; that is fourteen Degrees more than ever that Planet went in a Month since he was created. If these things are only Oversights, all the Fools on Earth may be Astronomers.

# SEPTEMBER VII. Month.

Dost thou inhunge a Tyrant's Hand and Heart,  
And with Injustice make thy Neighbour smart?  
In Dust and Sand thou mayst inscribe thy Wrong,  
But he records in Brasse and Marble Strong;  
His Lines remain when thine are lost in Air,  
And he may read when thou are least aware.

15. rise 18 set moon rise 19 south 20

1	F		5	46	6	14	7	A	0	0	M	53	9	17
2	2		5	47	6	13	7	19	1	34	21	14		
3	3		5	48	6	12	7	46	2	18	38	11		
4	4		5	50	6	10	8	14	3	3	15	15		
5	5		5	51	6	9	8	46	3	49	27	27		
6	6		5	52	6	8	9	26	4	38	9	49		
7	7	☐ ♀ ♀	5	54	6	6	10	18	5	29	22	33		
8	F	* ☉ ☽	5	55	6	5	11	19	6	22	5	38		
9	2		5	57	9	3	12	29	7	17	19	8		
10	3		5	58	6	2	0	M	29	8	14	3	Ω	6
11	4		5	59	6	1	1	47	9	11	7	30		
12	5		6	1	5	59	3	3	10	9	2	19		
13	6	* ♀ ♀	6	2	5	58	4	21	11	4	17	26		
14	7		6	3	5	57	Sets	12	0	2	43			
15	F		6	5	5	55	6	A	3	1	12	A	54	17
16	2		6	6	5	54	7	3	1	50	2	15	8	
17	3	♂ ☉ ♀	6	7	5	53	7	39	2	46	17	38		
18	4		6	8	5	52	8	17	3	43	17	54		
19	5		6	10	5	50	9	5	4	39	15	39		
20	6		6	11	5	49	10	2	5	35	28	52		
21	7	St. Matthew.	6	13	5	47	11	1	6	30	11	49		
22	F	♂ ☉ ♀	6	14	5	46	12	1	7	21	24	20		
23	2		6	15	5	45	0	M	1	8	10	6	4	
24	3		6	16	5	44	1	6	8	54	18	37		
25	4		6	18	5	42	2	13	9	37	0	39		
26	5	♂ ♀ ♀	6	19	5	41	3	11	10	26	12	31		
27	6		6	20	5	40	4	11	11	1	24	18		
28	7		6	21	5	39	5	12	11	44	6	14		
29	F	St. Michael.	6	22	5	38	Rises.	12	25	18	1			
30	2		6	23	5	37	6	A	1	0	M	55	0	12

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# September 1745.

☉	☿	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	Rises
1 19	55	3	29	11	12	21	56	5	32	16	1	2	5	
6 24	45	4	5	12	6	25	20	11	2	18	49	2	14	
11 29	42	4	42	13	0	28	44	16	35	19	12	2	22	
16 4	37	5	19	13	58	27	14	22	16	16	20	2	33	
21 9	33	5	56	14	57	5	44	28	3	11	20	2	45	
26 14	29	6	32	15	58	9	22	3	48	6	7	2	55	

day ho. min

New Moon 14 11 54 Morning.

Full Moon 29 10 19 Morning.

There will be no Eclipse of the Moon in this Year, the Earth suffers two Eclipses, commonly called Eclipses of the Sun; the last of the two, the fourteenth Day of this Month, between eleven and twelve o'Clock, in the Day Time; but whether it will be any Eclipse with us in *Pennsylvania*, that I shall leave to the learned: For it is too difficult for me to determine. If any Eclipse be here, it will be as small as ever was seen, or not one quarter of a Digit. This Eclipse will be conspicuous in all Parts of *Carolina*; at *Jamaica* about seven Digits; and near the Equator a total Eclipse

It is impossible to look on *Ball's Almanack* in *July 1744*, without observing *Saturn* as well as *Mars*, how prettily he goes retrograde all the Month, with a constant equal Motion, thirty five Minutes every five Days: But that Planet was all the while direct and very swift in Motion. Is it not enough to make a tender Heart bleed, that such a fine Astronomer should have such ill Luck, more Overlights than ever Man had?

*Since God made Man, and Stars in Heaven above,  
No Man made Stars in such Confusion move;  
Nor ever Mortal view'd the glorious Skies,  
Who rais'd such Clouds of Planetary Lies.*

The twentieth Day of this Month, the morning Star may be seen (after rising) very nigh that notable fixed Star, called the *Lion's Heart*, one third Part of a Degree distant.

# OCTOBER VIII Month.

What wondrous Things you know! your Fancy high  
Great Matters you can do, yes so can I,  
One Thing remains, too dark and deep for me,  
In every Leaf that very thing I see.  
In all God's Works, in Reptils, Insects, Flies,  
The Thing unknown, the great Arcanum lies.

		[S. rise] [S. sets] [moon rise] [m. south] D										8			
1	3	fair	6	25	5	35	6	A	26	1	M	8	12	16	
2	4		6	26	5	34	6	57	1	53	24	25			
3	5	rain.	6	27	5	33	7	39	2	42	6	III	55		
4	6		6	29	5	31	8	22	3	33	19	19			
5	7		6	30	5	30	9	19	4	23	2	III	10		
6	F		6	31	5	29	10	22	5	20	15	20			
7	2	♂ h ♀	6	32	5	28	11	32	6	15	28	39			
8	3	* ♀ ♀	6	34	5	26	12	47	7	9	12	Ω	26		
9	4	□ ♂ ♀	6	35	5	25	0	M	47	8	6	26	40		
10	5		6	37	5	23	2	5	9	0	11	III	1		
11	6		6	38	5	22	3	22	9	52	25	56			
12	7		6	39	5	21	4	41	10	46	11	III	7		
13	F	windy and cold.	6	40	5	20	Sets		11	40	26	11			
14	2		6	41	5	19	5	A	37	12	A	34	11	m	13
15	3		6	43	5	17	6	13	1	32	25	52			
16	4		6	44	5	16	6	56	2	30	10	T	14		
17	5		6	45	5	15	7	52	3	29	24	9			
18	6	St. Luke.	6	46	5	14	8	52	4	27	7	III	41		
19	7	dry Weather.	6	48	5	12	9	56	5	19	20	31			
20	F		6	49	5	11	11	5	6	9	3	III	5		
21	2	* ♂ ♀	6	50	5	10	12	5	6	56	15	20			
22	3		6	51	5	9	0	M	5	7	40	27	25		
23	4		6	52	5	8	1	9	8	21	9	III	17		
24	5	rain.	6	53	5	7	2	8	9	2	21	5			
25	6		6	54	5	6	3	9	9	43	2	V	56		
26	7	♂ h ♀	6	56	5	4	4	10	10	24	14	58			
27	F		6	57	5	3	5	11	11	7	26	50			
28	2	St. Sim. and Jude.	6	58	5	2	6	13	11	52	9	III	0		
29	3		6	59	5	1	Rises.		12	39	21	22			
30	4		7	0	5	0	5	A	38	0	M	39	3	II	37
31	5		7	1	4	59	6	26	1	29	16	20			

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# October, 1745.

☉	☿	♈	♊	♉	♊	♈	♊	♉	♊	♈	♊	♉	♊	♈	♊	♉	♊	Rises
1 19	27	7	8	17	0	13	0	9	40	4	1	3	3					
6 24	25	7	44	18	6	16	39	15	33	9	17	3	13					
11 29	24	8	20	19	11	20	18	21	27	11	54	3	27					
16 4	24	8	55	20	14	24	1	27	31	19	5	3	37					
21 9	25	9	31	21	18	27	45	3	35	27	7	3	47					
26 14	26	10	2	22	25	1	31	9	38	5	10	3	57					

day lo. min.

New Moon 13 8 55 Afternoon.

Full Moon 29 3 46 Morning.

This Diary for 1745, will come forth late in the Year preceeding (it was so design'd) yet I suppose, it may be extant time enough to invite the Reader to observe the New Moon at the End of *December* 1744, from the 24th Day to the Years end, and then he may believe his own Eyes, or *New-Jersey-Astronomy* as he pleases. They that have Clocks or Watches in good Order, and a fair Horizon may see the Difference thus.

The 24th Day fifty four Minutes.

The 25th Day one Hour nine min.

The 26th Day one Hour 20 min.

The 27th Day one Hour 27 min.

The 28th Day one Hour 58 min.

The 29th Day two Hours 28 min.

The 30th Day two Hours 51 min.

The 31st Day three Hours 30 min.

Most Men are inclin'd to believe their Eyes, and if the Sky be fair at the End of *December* 1744, they may see the Moon three Hours and a Half high, at the Time of her Setting according to the *Jerseyan* Numbers. But sweet *William* may make the Moon and all the Planets rise when they are setting, or set when they are rising, he being a darling Favourite of Men of the profoundest Sense, and the mature and thinking Part of Mankind.

The eleventh Day in the Morning, the Moon rises 22 min. past 3. The Morning-Stars is then less half than a Degree from her northern Horn.

# NOVEMBER, IX Month.

A little shallow Learning, soon obtain'd,  
 A little Gold, or Grandeur, newly gain'd,  
 A Voy'ge or two, the sight of stately Towns,  
 A little talk of Politicks, and Crowns,  
 All these work Wonders on the Weak and Vain,  
 And often breed a Coxcomb in the Brain.

[S. rise] [S. set] [moon rise] [m. south] [D] II

1	6		7	34	57	1A.14	2M25	29	16
2	7	very fine	7	44	56	8	17	3	18
3	F	weather,	7	54	55	9	23	4	11
4	2	what you	7	64	54	10	38	5	6
5	3	♂☉♂	7	74	53	11	50	5	58
6	4	please,	7	84	52	Morn.	6	50	6
7	5	♂♂♂	7	94	51	1	4	7	40
8	6	☐h♂	7	104	50	2	18	8	32
9	7		7	114	49	3	33	9	25
10	F	rugged weather.	7	124	48	4	46	10	18
11	2	♂☉♂	7	124	48	6	7	11	15
12	3		7	134	47	Sets	12A.11	4	7
13	4		7	144	46	5A.34	1	8	18
14	5		7	154	45	6	32	2	6
15	6		7	164	44	7	36	3	2
16	7		7	164	44	8	44	3	53
17	F		7	174	43	9	51	4	44
18	2	*♂♂	7	184	42	10	54	5	30
19	3	much cloudy	7	184	42	11	55	6	12
20	4	weather	7	194	41	12	54	6	54
21	5		7	194	41	0M34	7	32	29
22	6		7	204	40	1	52	8	13
23	7	*☉h	7	204	40	2	52	8	57
24	F		7	214	39	3	53	9	41
25	2	fair and	7	224	38	4	55	10	25
26	3	temperate	7	224	38	6	0	11	15
27	4		7	234	37	Rises.	12	8	12
28	5		7	234	37	5A.0	0M8	8	25
29	6		7	244	36	6	1	1	1
30	7	St. Andrew,	7	244	36	7	5	1	57

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# November 1745.

☉	m	h	☾	☿	♊	♈	♊	♀	♋	♊	♀	Rise
120	30	10	41	23	45	6	6	17	0	15	50	4 10
625	33	11	11	24	51	9	56	23	8	22	53	4 19
1107	36	11	40	25	58	13	45	29	17	07	44	4 31
165	39	12	7	27	4	17	37	5m	27	8	30	4 40
2110	43	12	34	28	9	21	29	11	37	16	21	4 51
2615	48	12	56	29	15	25	22	17	48	24	11	5 2

day ho. min.

New Moon 12 7 35 Morning.

Full Moon 27 8 28 Afternoon.

I shall presume yet further, that is to make an Estimate, of what Sort of Men, are so highly in *W. Ball's* favour, whom he calls *Men of the profoundest Sense, the mature and thinking Part of Mankind*: For I am well acquainted with two or three that were in his Company, not long since, and I find they think him an ingenious Man, of great Knowledge, and good Learning; and, I can tell you, they are Men of as sound Judgment in Astronomy, and Mathematicks, as any Ground-Squirrels in *America*; There was an Academy of Philosophers, *William* and his Disciples. I do not envy our Author the Pleasure of such Admirers; nor do I slight or despise any Man for his Ignorance: But it is impossible, without some knowledge in Astronomy, to see *W. Ball's* fallacious Numbers, and Planetary Fables, in their true Light and Colours. But all Men can see when the Moon rises, and all who please may observe, the beginning of this Month, how long she will rise, before the Time appointed, by *William*, or they may see it here.

The first Day forty six Minutes.

The 2d. day one Hour 21 Minutes.

The 3d. day two Hours 1 Min.

The 4th day two Hours 26 Min.

The 5th day two Hours 48 Min.

The 6th day three Hours.

The 7th day three Hours 8 Min.

D Taylor

# DECEMBER X. Month.

Art thou Ambitious, growing Great and Wise.  
Then learn to scorn, and bravely to despise,  
Despise the World, despise no Man therein,  
But thy dear self, with ev'ry darling Sin.  
If this capricious World despises thee,  
Scorn all Concern, and rest from trouble free.

[S. rise] [S. set] [moon rise] [m. south] D S

1	F		7	24	4	36	8	A	20	2	M	5	2	5	5
2	2		7	24	4	36	9	33	3	46	19	38			
3	3	* h ♂	7	25	4	35	10	41	4	38	3	40			
4	4		7	25	4	35	12	1	5	30	17	55			
5	5	very fine	7	25	4	35	0	M	1	6	20	1	48		
6	6	and moderate.	7	25	4	35	1	12	7	9	15	44			
7	7	♂ ♀	7	25	4	35	2	23	7	57	0	m			
8	F		7	25	4	35	3	37	8	49	14	2			
9	2	□ h ♀	7	25	4	35	4	50	9	43	28	3			
10	3		7	25	4	35	6	1	10	39	12	7	3		
11	4		7	25	4	35		Sets	11	36	26	3			
12	5	* ♂ ♀	7	25	4	35	5	A	7	12	A	34	10	W	
13	6		7	25	4	35	6	12	1	30	26	2			
14	7	snow and	7	25	4	35	7	20	2	23	6	m	3		
15	F	cold.	7	25	4	35	8	26	3	10	19				
16	2		7	25	4	35	9	29	3	55	1	X	2		
17	3	* h ♀	7	25	4	35	10	31	4	37	13	2			
18	4		7	25	4	35	11	31	5	19	25	2			
19	5		7	24	4	36	12	30	6	1	7	V	2		
20	6	Δ h ♂	7	24	4	36	0	M	30	6	40	19			
21	7	St. Thomas.	7	24	4	36	1	28	7	18	0	8			
22	F	fair and	7	24	4	36	2	30	8	6	12				
23	2	wild.	7	23	4	37	3	32	8	53	25				
24	3	□ ♂ h	7	23	4	37	4	34	9	45	7	I			
25	4	CHRIST born.	7	23	4	37	5	40	10	37	20				
26	5	St. Stephen.	7	22	4	38	6	42	11	33	4	5			
27	6	St. John.	7	22	4	38		Rises.	12	30	17				
28	7	Childred.	7	21	4	39	5	A	51	0	M	30	1	S	
29	F	fair and	7	20	4	40	7	7	1	24	15				
30	2	moderate.	7	20	4	40	8	21	2	19	29				
31	3		7	19	4	41	9	33	3	12	14	4			

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# December, 1745.

☉	☿	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	Rise
1 20	55	13	18	0	21	29	15	24	0	2	1	5	9	
6 25	39	13	37	1	25	3	10	0	15	9	51	5	19	
11 1	4	13	56	2	29	7	5	6	30	17	29	5	28	
16 6	10	14	12	3	30	11	0	12	45	24	30	5	36	
21 11	15	14	25	4	32	14	56	19	1	0	35	5	44	
26 16	20	14	34	5	29	18	56	25	16	3	50	5	52	

day ho. min.

New Moon 11 8 35 Afternoon.

Full Moon 27 11 15 Morning.

At the beginning of this Month also, I invite the curious to observe, how the Moon, in her rising, disregards the Injunctions of the New-Jersey Astronomer, and lags behind, after this manner.

The first Day one Hour fifty four Minutes.

The second Day two Hours nineteen Minutes.

The third Day two Hours thirty nine Minutes.

The fourth Day two Hours fifty four Minutes.

The fifth Day two Hours fifty six Minutes.

The sixth Day three Hours thirteen Minutes.

In 1743, he ushers in his Diary with a very fine and delicate Speech, viz. "How sublime is the Contemplation! and how sweet is the astronomical Amusement!" elevating the Mind far above the Clouds, and filling the Thoughts with celestial Ideas.

*Fallacious William, spread thy Wings and rise,  
Throw Dirt and Garbage, Scandal, Spite and Lies.*

*My Theme is just, true Numbers I maintain,*

*Thy foolish Lies I treat with just Disdain.*

*Thy vile Detraction I regard no more*

*Than Rocks regard when foaming Billows roar.*

*The Truth may meet Reproach, but never can*

*Be overcome, by Devils or by Man.*

On the seventh Day of this Month, Jupiter and Venus, the two bright Beauties of the Sky, will rise about twenty one Minutes after five in the Morning, something more than half a Degree asunder, Venus on the North Side.

IF some think I have wasted too much Paper, in exposing *Ball's* wild Excursions, Know all Men by these Presents, that I think the very same: But I found the Task inevitable, I might have enlarged, but I could not well contract: and one Thing further, I must not pretermitt: He affirms that my Scheme is only Self-Interest, to be had in Admiration, and other Astronomers to be despis'd. Now to make my Innocence, in this Case, as evident as the Meridian Sun. I shall recite the Names of Astronomers, which I have mentioned at various Times, in Print, with Applause and due Distinction.

<i>Thales,</i>	<i>Ismael Bullialdus,</i>
<i>Timocharis</i>	<i>John Flavelius,</i>
<i>Hipparchus</i>	<i>Jeremy Fiorrax,</i>
<i>Ptolemy</i>	<i>Thomas Street,</i>
<i>Albategnius,</i>	<i>Edmond Halley,</i>
<i>Alphonsus,</i>	<i>John Flamsted,</i>
<i>Copernicus,</i>	<i>-----Cassini,</i>
<i>Tycho,</i>	<i>Chr. Hugenus,</i>
<i>Longomontanus,</i>	<i>Dr. Gregory,</i>
<i>Kepler,</i>	<i>Edward Wright,</i>
<i>Ricciolus,</i>	<i>William Whiston.</i>

But alas, there is Death in the Pot! *W. Ball's* Name is not in the Catalogue, nor will I ever call Men Astronomers, who tell us of a visible Eclipse of the Sun, (*April 44*) when he is seven Degrees in Antecedence of the Node ascending: For the Sun can never be eclipsed, in *Pennsylvania*, or *Jersey*, when he is half seven Degrees from the Nodes; that is before the Ascending Node, or after the Node descending.

What a strange Figure does a Mortal make, soaring above the Clouds in Arts and Sciences, sublime Contemplations, and sweet Amusements, and writing barbarous false English; not understanding the lowest Rudiments of Grammar, a Verb singular, with a Nominative Case plural (and the contrary) twenty Times, in such a little Thing as an *Almanack*.



*Supreme Courts in Pennsylvania are held.*

AT Philadelphia, the Tenth Day of April, and the twenty fourth Day of September.

*Courts of Quarter Sessions are held.*

AT Philadelphia, the first Monday in March, June, September and December.

\*At New Town, for the County of Bucks, on the 11th Day following (inclusive) in every of the Months aforesaid.

At Chester, the last Tuesday in May, August, November and February

*Courts of Common Pleas are held.*

AT Philadelphia, the first Wednesday after the Courts of Quarter Sessions in March, June, September and December.

At New Town, the 9th Day following (inclusive) in every of the Months aforesaid

At Chester the last Tuesday in May, August, November and February.

Quarier Sessions and Common Pleas, in Lancaster County, are held, the first Tuesday in February, May, August and November

At Sussex, the first

At Kent, the second

At New-Castle, the 3d.

} Tuesday in February  
May, August and  
November.

*Mayor's Courts for Philadelphia City.*

THE first Tuesday in January, April, July and last Tuesday in October.

*Supreme Courts in New-Jersey are held.*

AT the City of Amboy, the Third Tuesday in March and the first Tuesday in August.

At the City of Burlington, the first Tuesday in November, and the second Tuesday in May.

Courts for Trial of Causes brought to Issue in the Supreme Court, are held,

FOR Salem and Cape-May Counties, the third Tuesday in April.

For Gloucester County, the fourth Tuesday in April.

For Hunterdon County, the first Tuesday in May.

For *Somerset* County, the second Tuesday in *Octob.*  
*Bergen* County, the fourth Tuesday in *Octob.*  
*Essex* County, on the Tuesday next following the  
 fourth Tuesday in *Octob.*  
*Monmouth* County, on the second Tuesday follow-  
 ing the fourth Tuesday in *Octob.*

*Courts of Quarter Sessions, and County Courts*  
*for holden Pleas, are held*

IN *Bergen* County, the first Tuesday in *January*, second  
 Tuesday in *June*, and first Tuesday in *Octob.*

In *Essex*, the second Tuesdays in *January* and *May*,  
 the third Tuesday in *June*, and fourth in *September*.

In *Middlesex*, the third Tuesdays in *July*, *January*, and  
*April*, and the second Tuesday in *October*.

In *Somerset*, the first Tuesdays in *October*, *January* and  
*April*, and the second Tuesday in *June*.

In *Monmouth*, the fourth Tuesdays in *July*, *January*  
 and *April*, and the third Tuesday in *October*.

In *Hunterdon*, the first Tuesdays in *August* and *Febru-*  
*ary*, the third Tuesday in *May*, and fourth in *October*.

In *Burlington*, the first Tuesdays in *May* and *November*  
 and the second Tuesdays in *August* and *February*.

In *Gloucester*, the 2d Tuesday in *June*, 3d Tuesday in  
*September*, and the 4th Tuesdays in *December* and *March*.

In *Salem*, the first Tuesday in *June*, 4th Tuesday in  
*November*, and the 3d Tuesdays in *February* and *August*.

In *Cape May*, the 3d. Tuesday in *May*, 4th Tues-  
 day in *October*, and the first Tuesdays in *August* and  
*February*.

*Supreme Courts in New-York, are kept.*

AT the City of *New-York*, the third Tuesday in *April*  
 last in *July*, and third in *October* and *January*.

At *Richmond*, the second Tuesday in *April*.

At *Orange*, the first Tuesday in *June*.

At *Dutchess*, the second Tuesday in *June*.

At *Ulster*, the Thursday after the 2d Tuesday in *June*.

At *Albany*, the fourth Tuesday in *June*.

At *Queen's* County, the first Tuesday in *September*.

At *Suffolk* County, the second Tuesday in *September*.

At King's County, the 3d Tuesday in September.

At West-Chester, the fourth Tuesday in September.

### Courts of Sessions and Common Pleas.

At the City of New-York, the first Tuesday in May, August, November and February.

At Albany, the first Tuesday in June and October, and the third Tuesday in January.

At West-Chester, the fourth Tuesday in May and October.

In Ulster County, the first Tuesday in May and October.

In Richmond County, the third Tuesday in March and the fourth Tuesday in September.

In King's County, the third Tuesday in April and October.

In Queen's County, the third Tuesday in May and September.

In Suffolk County, the last Tuesday in March and the first Tuesday in October.

In Dutches County, the 3d Tuesday in May and October.

### QUAKERS General Meetings are kept.

Mar. 17	At Philadelphia.	July 28	At West-Chester.
April 28	At Salem.	Aug. 25	At Westbury.
28	At Rie Woods.	Sept. 15	At Burlington
May 12	At Flushing.	Oct. 6	At Rie Woods.
19	At West-River.	13	At Choptank.
June 9	At Providence.	20	At Shreshsbury.
16	At Newport on Rhode-Island.	20	At Martinicock.
23	At New-Town.	Nov. 24	At Flushing.
		Feb. 24	At Westbury.

### FAIRS are kept.

April 8	At Noxonton.	Oct. 5	At Chester.
24	At Cohansie.	10	At Noxonton.
28	At Wilmington.	16	At Cohansie.
May 1	At Salem.	20	At Salem.
3	At New-Castle.	20	At Germanstown.
5	At Chester.	24	At Wilmington.
8	At Bristol.	29	At Bristol.
10	At Burlington.	Nov. 1	At Burlington.
12	At Providence.	1	At Lancaster
16	At Philadelphia.	3	At New-Castle.
June 1	At Lancaster.	16	At Philadelphia.

## ROADS Northeastward.

From Philadelphia to Bristol 20, to Trenton 10, to Princetown 12, to Kingston 3, to Brunswick 15, to Amboy 12, to the Narrows 18, to Flat Bush 5, to New-York 5, to Kingsbridge 18, to East Chester 6, to Newrochel 4, to Rye 4, to Horseneck 7, to Stanford 7, to Norwalk 10, to Fairfield 12, to Stratford 8, to Milford 4, to Newhaven 10, to Branford 10, to Giltford 12, to Killingsworth 10, to Seabrook 10, to New London 18, to Stoncington 15, to Pemberton 10, to Darby 3, to Frenchtown 24, to Providence 10, to Woodcocks 15, to Billeng's 10, to Whites 7, to Dedham 6, to Boston 10, to Lyn 9, to Salem 8, to Ipswich 14, to Newbury 11, to Hampton 9, to Portsmouth 13, to York 9, to Wells 14, to Kennebunk 6, to Biddeford 14, to Scarborough 7, to Falmouth 13, to Yarmouth 10, to Brunswick 15, to Richmond 6, to Taconeck Falls 33, to Norridgewock 31. *In all 600 Miles.*

## ROADS Southwestward.

From Philadelphia to Darby, 7 to Chetter 9, to Brandewyne 14, to Newcastle 6, to Elke River 17, to N. East 7, to Saquehana 9, to Gunpowder Ferry 26, to Patapisco Ferry 20, to Annapolis 30, to Queen Anne's Ferry 13, to Upper Marlborough 9, to Port Tobacco 30, to Hog's Ferry 20, to Southern's Ferry 30, to Arnold's Ferry 36, to Claybourn's Ferry 22, to Frenaux 12, to Williamsburg 16, to Hog Island 7, to Isle of White Court House 18, to Nancemond Court House 20, to Benner's Creek Bridge 30, to Edenton 30, over the Sound to Bell's Ferry 8, to Bathtown on Pamlico River 45, to Grey's Ferry on New River 32, to Whittock River 20, to New-River Ferry 30, to Newtown on Cape Fear River 45, to Lockwood's Holly 15, to Shallot River 8, to the eastern End of Longbay 22, to the western End of Longbay 25, to George Town Winyaw 30, to Santee Ferry 12, to Jonah Collins 18, to Hobcaw Ferry against Charles-Town 30. *In all 777.*

**J**OHNS WILKINSON, BRUSH-MAKER, *opposite to the Quaker Meeting-House, and next Door to Robert Moore's in Second-Street Philadelphia, still continues to buy Hogs Bristles, and makes and sells all Sorts of Brushes as heretofore, at reasonable Rates.*





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